

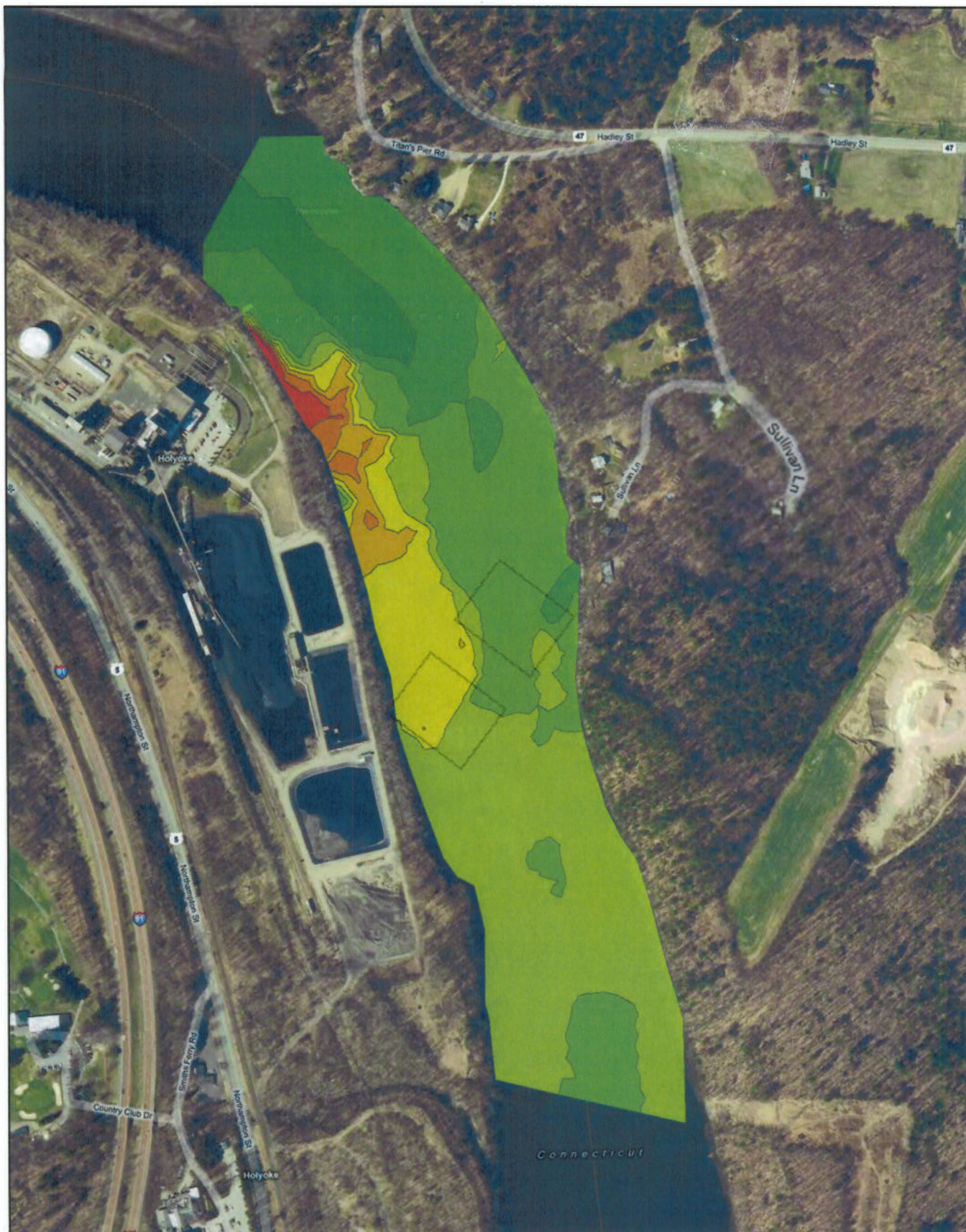
MTGS BA

May 25, 2012

ATTACHMENT III

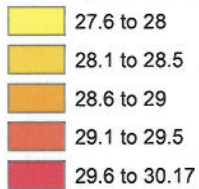
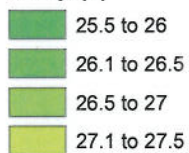
Two maps depicting temperature differences in the area of the thermal plume of Mount Tom Generating Station (MTGS) in the Holyoke Pool of the Connecticut River, at river kilometer 148, in Holyoke, Massachusetts. The "Shallow" thermal plume map represents temperatures taken at a depth of approximately 0.4 meters. The "Deep" thermal plume map represents temperatures taken at a depth of approximately 2.2 meters.

Temperature measurements were taken by EPA staff on August 14, 2010, from 12:00 noon through 4:00 PM. At the time temperatures were taken, the facility was discharging non-contact cooling water at a rate of 133.2 million gallons per day (MGD). The facility's reported intake temperature was approximately 80°F and the reported discharge temperature was approximately 86°F during the time period when river sampling was conducted.



0 270 540 810 1,080 Feet

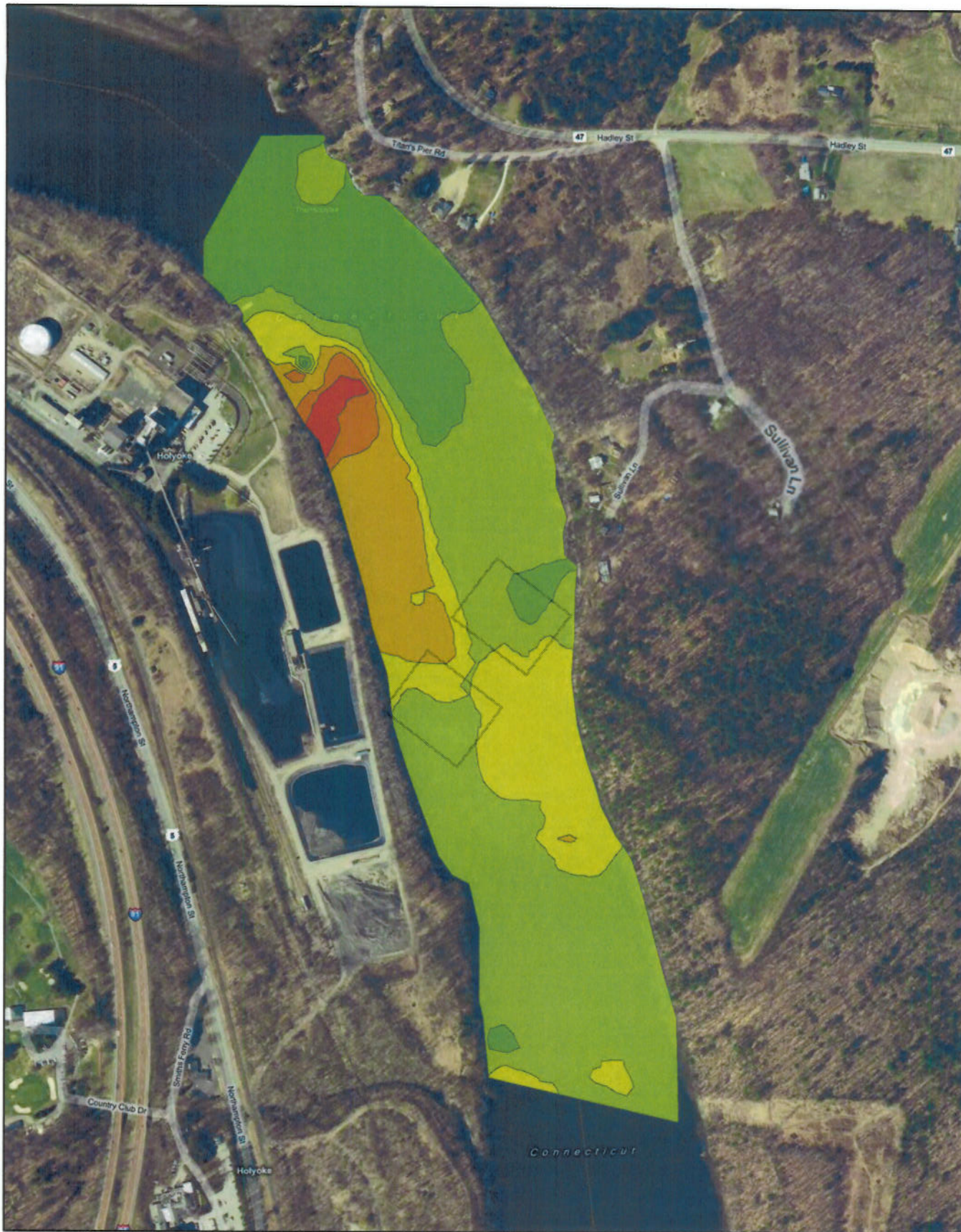
**Shallow
Temp (c)**



Mt. Tom Station
Thermal Plum- Shallow

DRAFT





0 270 540 810 1,080 Feet

Deep

Temp (c)

26.1 to 26.5

26.5 to 27

27.1 to 27.5

27.6 to 28

28.1 to 28.5

28.6 to 29

29.1 to 29.5

Mt. Tom Station
Thermal Plume- Deep

DRAFT

